**IT Applications, Unit 4**

**Security and ethical considerations, Ch 8, p 294**

**Emerging technologies, Cloud Computing, p 305**

**The advantages and disadvantages of using cloud computing for storing, communicating and disposing of data and information.**

**What is cloud computing?**

1. Provide a definition for cloud computing?

A service provided by large internet-based specialised data centres that offers storage, processing and computer resources to individuals and organisations

**Implications for businesses**

1. Distinguish between the following types of clouds:
   1. Public cloud

business accesses web services via a third party who shares resources & costs on a utility or use base

* 1. Community cloud

group of organisations with similar needs seek to share the infrastructure; eg. group of finance companies with a higher level of security demands

* 1. Hybrid cloud

business accessing a mix of cloud services in a public & community environment

* 1. Private cloud

tailored to suit private client, eg. wanting higher levels of security, eg. medical institutions

**Advantages and disadvantages of using cloud computing**

From the text and also from the Articles:

“Guide to cloud computing”

“Steven Levy on the Perils of Cloud Computing”

**Complete the following:**

**Advantages**

1. List the advantages of this type of computing.

C, Costs of software, hardware

A, Anywhere any time access

S, Storage and security

H, Hardware scalability

M, no maintenance, less IT staff

E, Easy to use

C, Collaboration

**Disadvantages**

1. List the disadvantages of cloud computing.

P, Privacy

A, Availability and speed of connection

D, Data loss

D, Data ownership

L, Lack of control

L, Legal issues, operate in different countries

S, Staff, training of staff

S, Software capabilities, less features than desk top application

C, Cost of purchasing service